



US006255309B1

(12) **United States Patent**  
**Pees et al.**

(10) **Patent No.:** **US 6,255,309 B1**  
(45) **Date of Patent:** **Jul. 3, 2001**

(54) **FUNGICIDAL  
TRIFLUOROMETHYLALKYLAMINO-  
TRIAZOLOPYRIMIDINES**

5,948,783 \* 9/1999 Pees et al. .... 515/258  
5,981,534 \* 11/1999 Waldemar .... 514/258

(75) **Inventors:** **Klaus-Juergen Pees**, Mainz; **Guenter Krummel**, Vendersheim, both of (DE); **Henry Van Tuyl Cotter**, Trenton, NJ (US); **Guido Albert**, Hackenheim; **Annerose Rehnig**, Ingelheim, both of (DE); **Leslie May**, Wokingham (GB); **Waldemar Pfrenge**, Seibersbach (DE)

\* cited by examiner

*Primary Examiner*—Richard L. Raymond

*Assistant Examiner*—Sudhaker B. Patel

(74) *Attorney, Agent, or Firm*—Barbara V. Maurer

(73) **Assignee:** **American Cyanomid Co.**, Madison, NJ (US)

(57) **ABSTRACT**

The novel compounds of formula I:

(\*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(I)

(21) **Appl. No.:** **09/272,916**

(22) **Filed:** **Mar. 19, 1999**

(51) **Int. Cl.<sup>7</sup>** ..... **A61K 31/505**; C07D 239/00; C07D 487/00

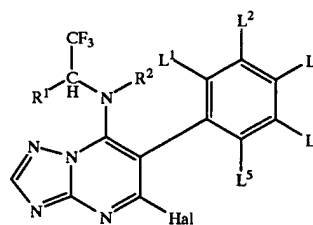
(52) **U.S. Cl.** ..... **514/256**; 514/272; 514/275; 514/257; 544/262; 544/263; 544/242

(58) **Field of Search** ..... 544/118, 263, 544/242; 514/212, 233.2, 253, 258, 256, 257, 272, 275

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

5,593,996 1/1997 Pees et al. .... 544/263



wherein (R<sup>1</sup>, R<sup>2</sup>, Hal and L<sup>1</sup> through L<sup>5</sup> are defined in the specification) show selective fungicidal activity. The new compounds may be processed with carriers and adjuvants to produce fungicidal compositions.

**6 Claims, No Drawings**